

PERMIT APPLICATION: NRS 08.114

APPLICANT: Todd Leamon, County Engineer
Hamilton County
1250 Market Street, Suite 3050
Chattanooga, TN 37402
(423) 209 -7810

LOCATION: Project is located in the Enterprise South Industrial Park (former Volunteer Army Ammunition Plant) north of Bonny Oaks Drive and northwest of Interstate 75; Chattanooga, Hamilton County.

WATERSHED DESCRIPTION: Surrounding land use is the old Volunteer Army Ammunition Plant, railroads, industrial and roadways. The site is traversed by the east and west forks of Poe Branch and several wetland areas. Both forks are intermittent. Neither the wetlands nor the forks of Poe Branch proposed to be impacted have been determined to be exceptional Tennessee waters. The proposed project lies within the Lower Tennessee Basin (Chickamauga/ Nickajack Reservoirs) Watershed HUC 06020001.

PROJECT DESCRIPTION: The applicant proposes to construct an industrial facility under a “megasite” designation for potential automotive manufacturing or assembly industry. The Enterprise South Industrial Park occupies the former Volunteer Army Ammunition Plant which has been designated as a brownfield site. Site remediation has been conducted for chemical impacts. The Tennessee Department of Environment and Conservation, Division of Remediation has removed the megasite from the state promulgated Superfund list. It remains restricted to industrial use and that no groundwater use will be allowed until groundwater under the entire Plant site is at a 1x10⁻⁶ risk level for drinking water.

The construction will require the relocation of a total of 16,700 linear feet of streams as follows:

East Fork Poe Branch-	relocate 5600 feet of existing channel into a new 10, 992 foot channel.
West Fork Poe Branch -	relocate 6000 feet of existing channel into a new 7560 foot channel.
Unnamed tributary #1-	fill 2400 feet.
Unnamed tributary #2-	fill 2700 feet.

The total amount of stream relocation is 16,700 while the proposed new channel length is 18, 552. The East Fork will be relocated to the south at an average distance of 2500 feet while the west Fork would be relocated approximately 500-750 feet to the west. The existing intermittent streams were relocated and channelized in the past by the Army. Flow is characterized as “flash” or principally flows immediately after rainfall but maybe completely dry 24 hours after rainfall ceases.

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Compensatory stream mitigation shall occur onsite with hydrofluvial geomorphic designed channels. Rosgen surveys for reference reaches were conducted to assist in the design of the new channels. Riparian zones will be established along both banks of each stream and planted with native vegetation. Installation of various structures will be placed at locations in the new channel to act as grade and erosion controls. The relocated channel will be monitored using moderate level restoration monitoring protocol. Annual monitoring reports shall be submitted to the Corps of Engineers and Water Pollution Control.

The proposed project will also require the placement of fill in 0.39 acres of jurisdictional wetland. The 0.39 acres is divided into three areas of 0.116 ac., 0.0407 ac., and 0.226 ac. All are dominated by herbaceous plants with a few black willow, green ash, sycamore and boxelder.

Compensatory wetland mitigation shall occur onsite with the creation of 1.5 acres adjacent to the wetland #1 (38 acres of high quality forested wetland) and apply 0.153 credits for the preservation of the 9.73 acre wetland #2 . Hydrology will be provided by runoff, direct precipitation and seasonal groundwater. The creation site will be planted with a mix of wetland herbaceous species.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

The Division of Water Pollution Control shall hold a Public Hearing on this application on Tuesday, July 15, 2008, 6:00pm EDT at the Hamilton County Department of Education, Board Room, 3074 Hickory Valley Road, Chattanooga, TN 37421; (423) 209-8496. The notice for the Public Hearing is being jointly noticed with the application in this public notice.

PERMIT COORDINATOR: Mike Lee

TOPOGRAPHICAL QUADRANGLE: East Chattanooga 112 SW
Lat 35.09 Long -85.14

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of

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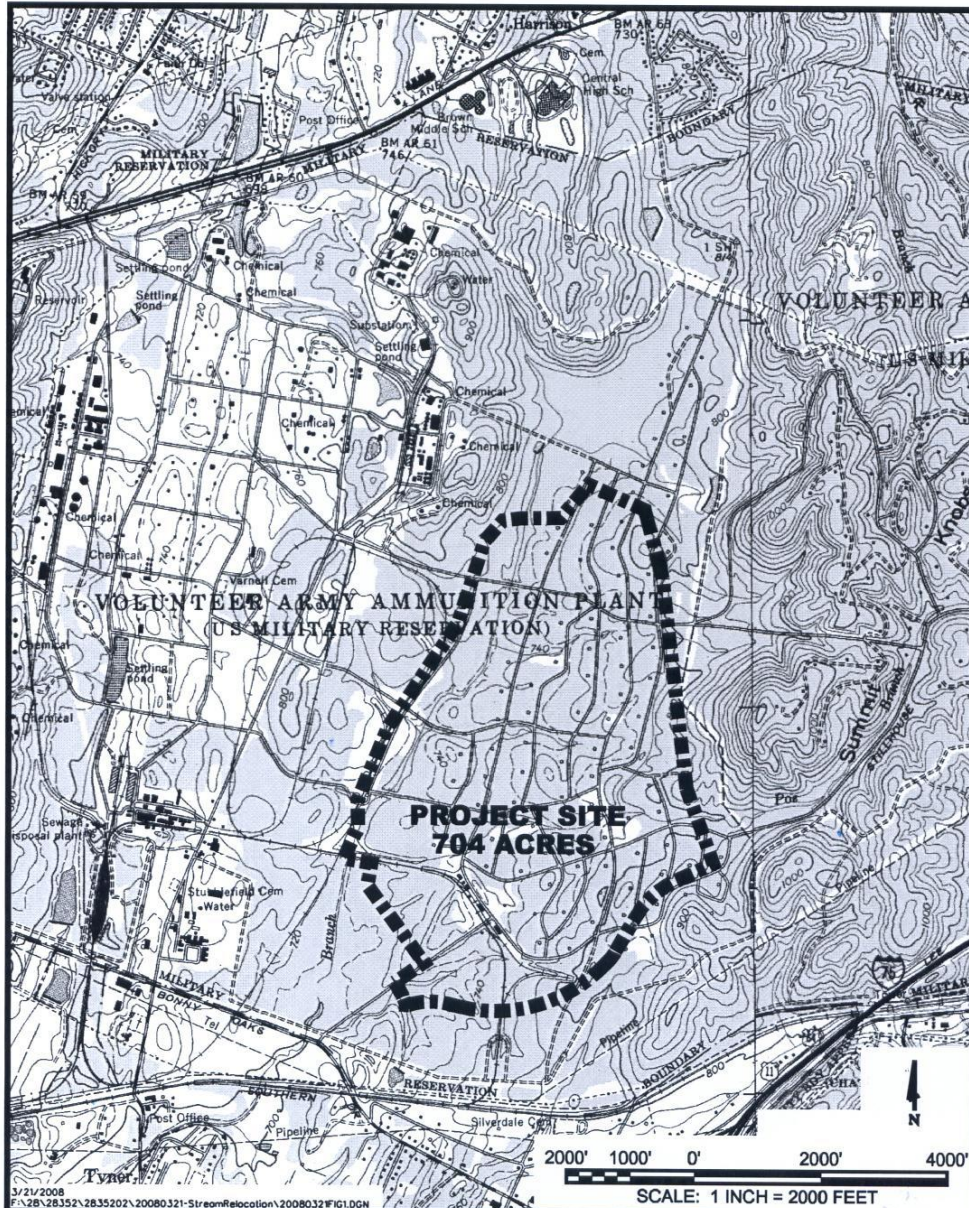
the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

The permit application and supporting documents are also available at the Division of Water Pollution Control, Chattanooga Field Office 540 McCallie Avenue, Suite 550, Chattanooga, TN. 37402; (423) 634-5745.

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.



BWSC
ENGINEERS PLANNERS
LANDSCAPE ARCHITECTS AND SURVEYORS
800 Broad Street, Suite 200 Chattanooga, Tennessee 37402
Phone: (423) 750-3300 Fax: (423) 750-6477

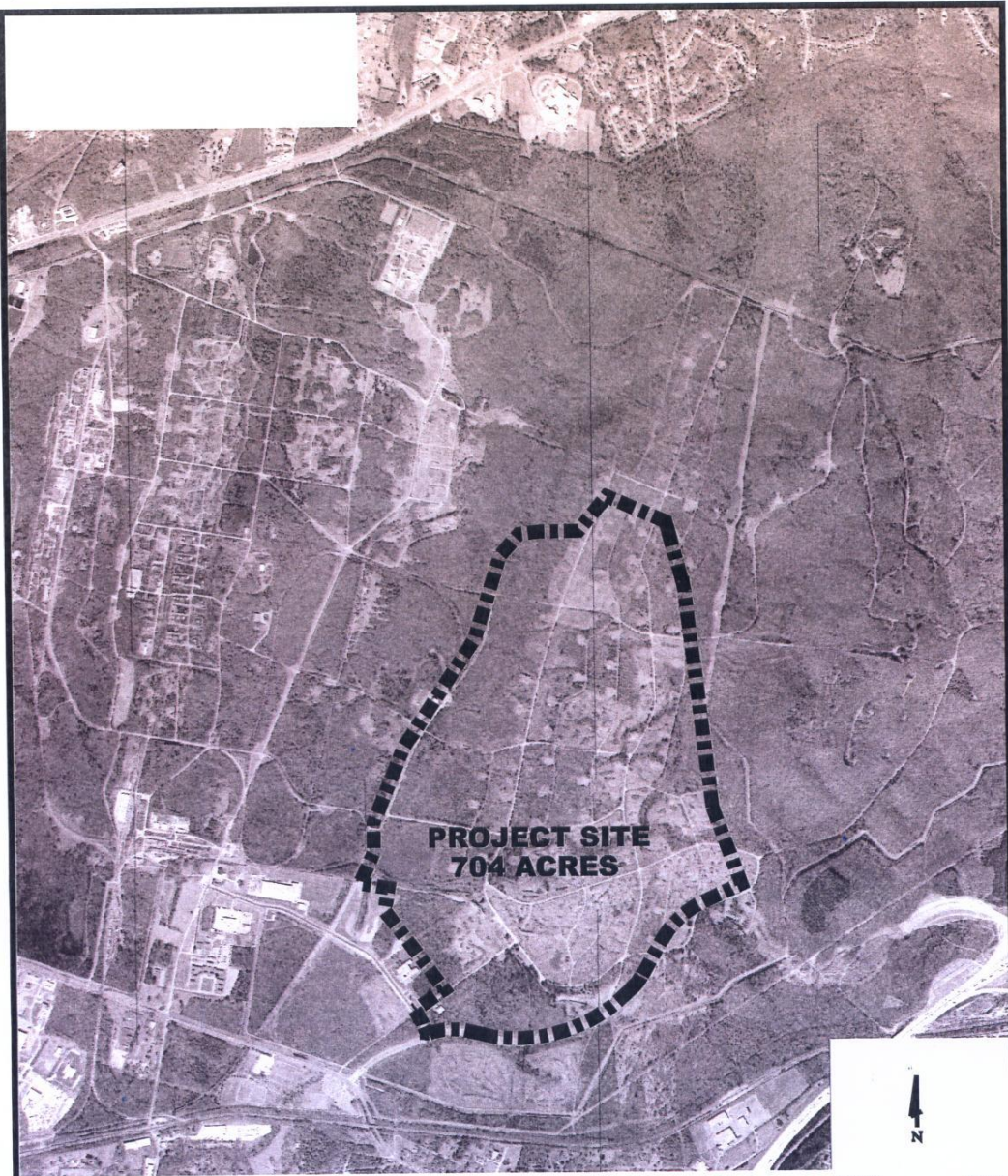
**BARGE WAGGONER
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SITE LOCATION MAP

**PROPOSED DEVELOPMENT
ENTERPRISE SOUTH INDUSTRIAL PARK
CHATTANOOGA, TENNESSEE**

DRAWN BY:	CHECKED BY:
EKK	
DRAWING NO.:	
FIGURE 1	
PROJECT NO.:	DATE:
28352-02	03/21/08

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2000' 1000' 0' 2000' 4000'

SCALE: 1 INCH = 2000 FEET

3/21/2008
F:\28\28352\2835202\20080321-StreamRelocation\20080321FIG2.DGN

BWSC

ENGINEERS PLANNERS
LANDSCAPE ARCHITECTS AND SURVEYORS

800 Broad Street, Suite 200 Chattanooga, Tennessee 37402
PHONE 423-756-3025 FAX 423-756-9177

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AERIAL SITE LOCATION MAP

PROPOSED DEVELOPMENT
ENTERPRISE SOUTH INDUSTRIAL PARK
CHATTANOOGA, TENNESSEE

DRAWN BY:

EEK

CHECKED BY:

DRAWING NO.:

FIGURE 2

PROJECT NO.:

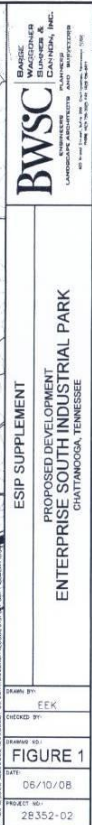
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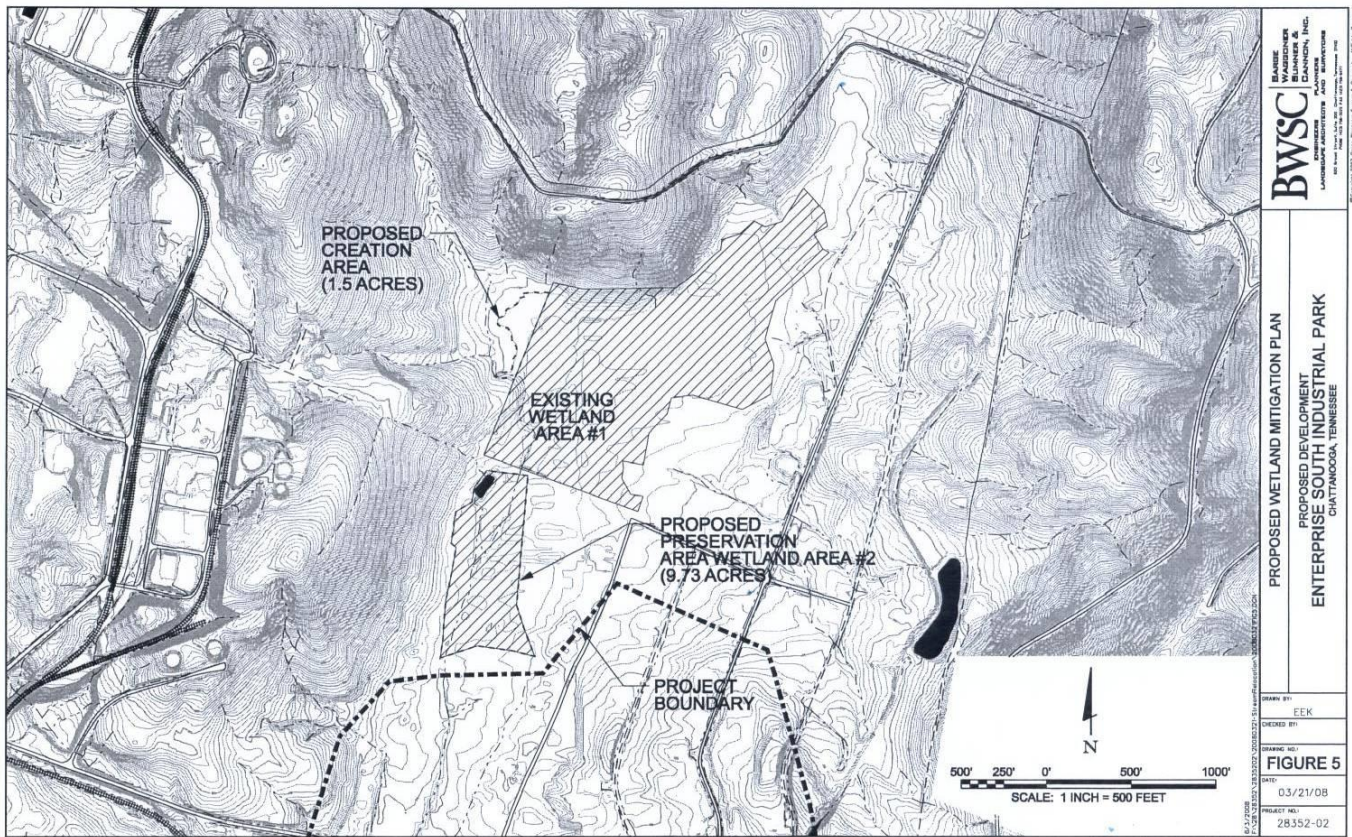
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General Schematic Wetland Excavation

